

APR 21 2014



MSGP Quarterly Visual Assessment Form

(Complete a separate form for each outfall you assess)

Sample Duration:

2:45 PM - 3:45 PM

| | | | | | | | |
|--|--|---|--|---|--|---|--|
| Name of Facility: | | Kane Scrap Iron and Metal, Inc. | | Permit No.: | | MAR05DY90 | |
| Street Address: | | 184 East Meadow Street | | City: | | Chicopee MA Zip Code: 01013 | |
| Outfall Number: | | DA-001 | | Substantially Identical Outfall? | | X No <input type="checkbox"/> Yes <input type="checkbox"/> Identify Substantially Identical Outfalls: | |
| Quarter/Year: | | 1st Quarter - 2014 (1/1 to 3/31) | | Substitute Sample?: | | X No <input type="checkbox"/> Yes <input type="checkbox"/> Identify quarter/year when sample was originally scheduled to be collected: | |
| Person(s)/Title(s) collecting sample: | | Robert E. Kane III - Non-Ferrous Metals Manager | | | | | |
| Person(s)/Title(s) examining sample: | | Robert E. Kane III - Non-Ferrous Metals Manager | | | | | |
| Date & Time Storm or Snowmelt Began: | | 3/29/2014 @ 12:00 pm | | Date & Time Sample Collected: | | 3/29/2014 @ 3:00 pm | |
| Date & Time Storm or Snowmelt Ended: | | 3/29/2014 @ 12:00 pm | | Date & Time Sample Examined: | | 3/31/2014 @ 8:00 am | |
| Nature of Discharge: | | X Rainfall | | Snowmelt | | <input type="checkbox"/> Not Applicable | |
| Rainfall Amount: | | 1.10 inches | | Previous Storm Ended > 72 hours Before Start of This Storm? | | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (explain): <input type="checkbox"/> Not Applicable | |
| Parameter | | | | | | | |
| Color: | | <input type="checkbox"/> None <input type="checkbox"/> X Other (describe): Beige | | | | | |
| Odor: | | <input type="checkbox"/> None <input type="checkbox"/> X Musty <input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Sour <input type="checkbox"/> Petroleum/Gas <input type="checkbox"/> Solvents | | | | | |
| Clarity: | | <input type="checkbox"/> Other (describe): | | | | | |
| Floating Solids: | | <input type="checkbox"/> Clear <input type="checkbox"/> X Slightly Cloudy <input type="checkbox"/> Cloudy <input type="checkbox"/> Opaque <input type="checkbox"/> Other (describe): | | | | | |
| Settled Solids**: | | <input type="checkbox"/> No <input type="checkbox"/> X Yes (describe): Fine Particulate | | | | | |
| Suspended Solids: | | <input type="checkbox"/> No <input type="checkbox"/> X Yes (describe): Fine Particulate | | | | | |
| Oil Sheen: | | <input type="checkbox"/> No <input type="checkbox"/> X Yes (describe): Fine Particulate | | | | | |
| Foam (gentle shake sample): | | <input type="checkbox"/> None <input type="checkbox"/> Flecks <input type="checkbox"/> Globs <input type="checkbox"/> Sheen <input type="checkbox"/> Slick <input type="checkbox"/> Other (describe): | | | | | |
| Other Obvious Indicators of Storm Water Pollution: | | <input type="checkbox"/> X No <input type="checkbox"/> Yes (describe): | | | | | |

*The 72 hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72 hour interval is representative of local storm events during the sampling period.

**Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Sampling not performed due to adverse conditions: ☐ No ☐ Yes (explain):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter: ☐ No ☐ Yes (explain):

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary): A measurable precipitation event was documented on March 28, 2014 (0.13 inches). However, no discharge was observed and consequently, a sample set was not collected.

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations

A. Name: Robert E. Kane III

B. Title: Non-Ferrous Metals Manager

C. Signature:

D. Date Signed: 3/31/2014

MSGP Quarterly Visual Assessment Form

(Complete a separate form for each outfall you assess)

Sample Duration: 2:45 PM - 3:45 PM

| | | | | | | | | | |
|--|--|--|--|---|----------|---|----|--|-------|
| Name of Facility: | | Kane Scrap Iron and Metal, Inc. | | Permit No.: | | MAR05DY90 | | | |
| Street Address: | | 184 East Meadow Street | | City: | Chicopee | State: | MA | Zip Code: | 01013 |
| Outfall Number: | | DA-002 | | Substantially Identical Outfall? | | X No | | <input type="checkbox"/> Yes (Identify Substantially Identical Outfalls): | |
| Quarter/Year: | | 1st Quarter - 2014 (1/1 to 3/31) | | Substitute Sample? | | X No | | <input type="checkbox"/> Yes (Identify quarter/year when sample was originally scheduled to be collected): | |
| Person(s)/Title(s) collecting sample: | | | | Robert E. Kane III - Non-Ferrous Metals Manager | | | | | |
| Person(s)/Title(s) examining sample: | | | | Robert E. Kane III - Non-Ferrous Metals Manager | | | | | |
| Date & Time Storm or Snowmelt Began: | | 3/29/2014 @ 12:00 pm | | Date & Time Sample Collected: | | 3/29/2014 @ 3:00 pm | | Date & Time Sample Examined: | |
| Nature of Discharge: | | X Rainfall | | <input type="checkbox"/> Snowmelt | | <input type="checkbox"/> Not Applicable | | 3/31/2014 @ 8:00 am | |
| Rainfall Amount: | | 1.10 inches | | Previous Storm Ended > 72 hours Before Start of This Storm? | | <input type="checkbox"/> Yes | | X No* (explain): <input type="checkbox"/> Not Applicable | |
| Parameter | | | | | | | | | |
| Color: | | X None <input type="checkbox"/> Other (describe): | | | | | | | |
| Odor: | | X None <input type="checkbox"/> Musty <input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Sour <input type="checkbox"/> Petroleum/Gas <input type="checkbox"/> Solvents | | | | | | | |
| Clarity: | | X Clear <input type="checkbox"/> Slightly Cloudy <input type="checkbox"/> Cloudy <input type="checkbox"/> Opaque <input type="checkbox"/> Other (describe): | | | | | | | |
| Floating Solids: | | X No <input type="checkbox"/> Yes (describe): | | | | | | | |
| Settled Solids**: | | X No <input type="checkbox"/> Yes (describe): | | | | | | | |
| Suspended Solids: | | <input type="checkbox"/> No X Yes (describe): Fine Particulate | | | | | | | |
| Oil Sheen: | | X None <input type="checkbox"/> Flecks <input type="checkbox"/> Globs <input type="checkbox"/> Sheen <input type="checkbox"/> Slick <input type="checkbox"/> Other (describe): | | | | | | | |
| Foam (gently shake sample): | | X No <input type="checkbox"/> Yes (describe): | | | | | | | |
| Other Obvious Indicators of Storm Water Pollution: | | X No <input type="checkbox"/> Yes (describe): | | | | | | | |

*The 72 hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72 hour interval is representative of local storm events during the sampling period.

**Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Sampling not performed due to adverse conditions: ☐ No ☐ Yes (explain):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☐ No ☐ Yes (explain):

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary): A measurable precipitation event was documented on March 28, 2014 (0.13 inches). However, no discharge was observed and consequently, a sample set was not collected.

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name: Robert E. Kane III

B. Title: Non Ferrous Metals Manager

C. Signature:

D. Date Signed:

3/31/2014

Weather History for Chicopee, MA

Saturday, March 29, 2014 — View Current Weather Conditions

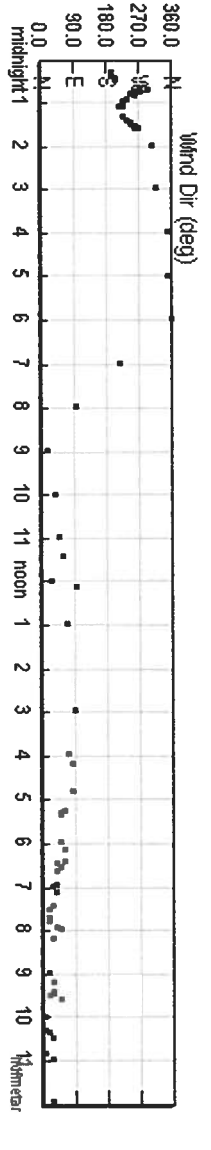
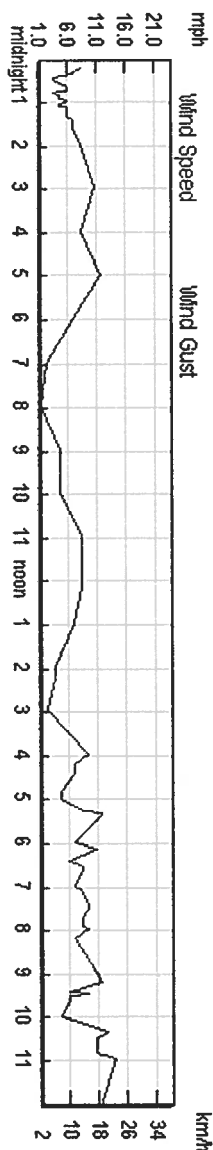
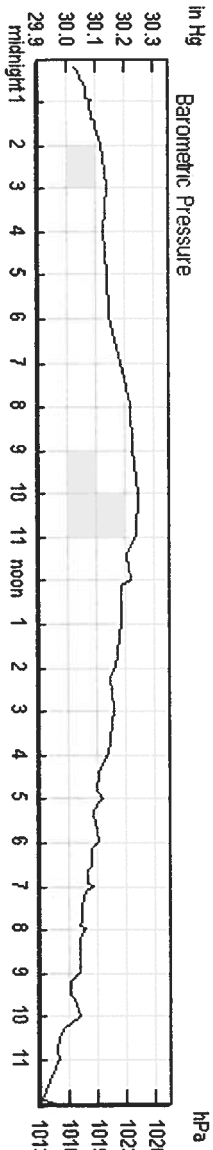
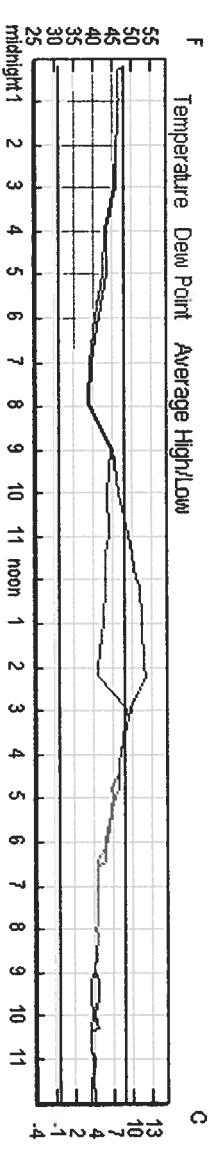
| Temperature | | Actual | Average | Record |
|---------------------|---------------|--------|--------------|--------|
| Mean Temperature | 46 °F | - | | |
| Max Temperature | 53 °F | 48 °F | 75 °F (1998) | |
| Min Temperature | 39 °F | 31 °F | 23 °F (2011) | |
| Degree Days | | | | |
| Heating Degree Days | 19 | | | |
| Moisture | | | | |
| Dew Point | 43 °F | | | |
| Average Humidity | 96 | | | |
| Maximum Humidity | 100 | | | |
| Minimum Humidity | 62 | | | |
| Precipitation | | | | |
| Precipitation | 1.10 in | - | - 0 | |
| Sea Level Pressure | | | | |
| Sea Level Pressure | 30.08 in | | | |
| Wind | | | | |
| Wind Speed | 7 mph (North) | | | |
| Max Wind Speed | 14 mph | | | |
| Max Gust Speed | - | | | |
| Visibility | 6 miles | | | |
| Events | | | | |
| Rain | | | | |

Averages and records for this station are not official NWS values.
Click here for data from the nearest station with official NWS data (KBDL).

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary

Seasonal Weather Averages



| Time (EDT) | Temp. | Windchill | Dew Point | Humidity | Pressure | Visibility | Wind Dir | Wind Speed | Gust Speed | Precip. |
|------------|---------|-----------|-----------|----------|----------|------------|----------|------------|------------|---------|
| 12:12 AM | 48.2 °F | - | 48.2 °F | 100% | 30.03 in | 3.0 mi | SSW | 8.1 mph | - | N/A |
| 12:18 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.04 in | 2.5 mi | SSW | 6.9 mph | - | N/A |
| 12:21 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.04 in | 3.0 mi | SSW | 6.9 mph | - | N/A |
| 12:26 AM | 46.4 °F | 45.2 °F | 46.4 °F | 100% | 30.05 in | 2.5 mi | SSW | 3.5 mph | - | N/A |
| 12:27 AM | 46.4 °F | 45.2 °F | 46.4 °F | 100% | 30.05 in | 3.0 mi | SSW | 3.5 mph | - | N/A |
| 12:38 AM | 46.4 °F | 43.5 °F | 46.4 °F | 100% | 30.07 in | 2.5 mi | West | 5.8 mph | - | N/A |
| 12:41 AM | 46.4 °F | 43.5 °F | 46.4 °F | 100% | 30.07 in | 2.0 mi | WNW | 5.8 mph | - | N/A |
| 12:43 AM | 46.4 °F | 43.5 °F | 46.4 °F | 100% | 30.07 in | 1.8 mi | West | 5.8 mph | - | N/A |
| 12:44 AM | 46.4 °F | 43.5 °F | 46.4 °F | 100% | 30.07 in | 1.5 mi | West | 5.8 mph | - | N/A |
| 12:45 AM | 46.4 °F | 44.3 °F | 46.4 °F | 100% | 30.07 in | 1.5 mi | West | 4.6 mph | - | N/A |
| 12:46 AM | 46.4 °F | 45.2 °F | 46.4 °F | 100% | 30.07 in | 1.2 mi | WSW | 3.5 mph | - | N/A |
| 12:47 AM | 46.4 °F | 45.2 °F | 46.4 °F | 100% | 30.07 in | 1.2 mi | WSW | 3.5 mph | - | N/A |

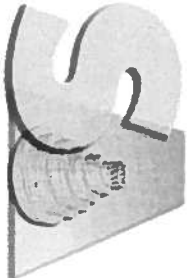
| Time (EDT) | Temp. | Windchill | Dew Point | Humidity | Pressure | Visibility | Wind Dir | Wind Speed | Gust Speed | Precip |
|------------|---------|-----------|-----------|----------|----------|------------|----------|------------|------------|---------|
| 12:48 AM | 46.4 °F | 44.3 °F | 46.4 °F | 100% | 30.07 in | 1.2 mi | West | 4.6 mph | - | N/A |
| 12:49 AM | 46.4 °F | 44.3 °F | 46.4 °F | 100% | 30.07 in | 1.0 mi | West | 4.6 mph | - | N/A |
| 12:50 AM | 46.4 °F | 44.3 °F | 46.4 °F | 100% | 30.07 in | 1.0 mi | West | 4.6 mph | - | N/A |
| 12:55 AM | 46.4 °F | 44.3 °F | 46.4 °F | 100% | 30.07 in | 1.0 mi | WSW | 4.6 mph | - | N/A |
| 12:58 AM | 46.9 °F | - | 46.9 °F | 100% | 30.09 in | 1.0 mi | SW | 5.8 mph | - | 0.00 in |
| 1:02 AM | 46.4 °F | 44.3 °F | 46.4 °F | 100% | 30.08 in | 1.0 mi | SW | 4.6 mph | - | N/A |
| 1:05 AM | 46.4 °F | 44.3 °F | 46.4 °F | 100% | 30.08 in | 1.0 mi | SW | 4.6 mph | - | N/A |
| 1:06 AM | 46.4 °F | 43.5 °F | 46.4 °F | 100% | 30.08 in | 0.8 mi | SW | 5.8 mph | - | N/A |
| 1:18 AM | 46.4 °F | 43.5 °F | 46.4 °F | 100% | 30.09 in | 1.0 mi | SW | 5.8 mph | - | N/A |
| 1:25 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.09 in | 1.0 mi | WSW | 6.9 mph | - | N/A |
| 1:27 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.10 in | 1.0 mi | WSW | 6.9 mph | - | N/A |
| 1:28 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.10 in | 1.2 mi | WSW | 6.9 mph | - | N/A |
| 1:29 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.10 in | 1.2 mi | WSW | 6.9 mph | - | N/A |
| 1:30 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.10 in | 1.5 mi | WSW | 6.9 mph | - | N/A |
| 1:31 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.10 in | 1.8 mi | West | 6.9 mph | - | N/A |
| 1:32 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.10 in | 2.0 mi | West | 6.9 mph | - | N/A |
| 1:33 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.10 in | 2.5 mi | West | 6.9 mph | - | N/A |
| 1:35 AM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.10 in | 3.0 mi | West | 6.9 mph | - | N/A |
| 1:58 AM | 45.9 °F | 41.7 °F | 45.9 °F | 100% | 30.12 in | 8.0 mi | NW | 8.1 mph | - | 0.01 in |
| 2:58 AM | 46.0 °F | 41.0 °F | 45.5 °F | 98% | 30.14 in | 10.0 mi | NW | 10.4 mph | - | N/A |
| 3:58 AM | 43.3 °F | 38.6 °F | 43.0 °F | 99% | 30.13 in | 10.0 mi | North | 8.1 mph | - | N/A |
| 4:58 AM | 43.3 °F | 37.2 °F | 42.3 °F | 96% | 30.14 in | 10.0 mi | North | 11.5 mph | - | N/A |
| 5:58 AM | 41.4 °F | 36.8 °F | 40.8 °F | 98% | 30.15 in | 10.0 mi | North | 6.9 mph | - | N/A |
| 6:58 AM | 39.4 °F | - | 39.0 °F | 99% | 30.19 in | 10.0 mi | SW | 2.3 mph | - | N/A |
| 7:58 AM | 39.2 °F | - | 38.8 °F | 99% | 30.22 in | 10.0 mi | East | 1.2 mph | - | N/A |
| 8:58 AM | 45.1 °F | 42.8 °F | 44.4 °F | 97% | 30.23 in | 10.0 mi | NNE | 4.6 mph | - | N/A |
| 9:58 AM | 46.6 °F | - | 43.5 °F | 89% | 30.25 in | 10.0 mi | NE | 4.6 mph | - | N/A |
| 10:58 AM | 49.1 °F | - | 43.9 °F | 82% | 30.24 in | 10.0 mi | NE | 8.1 mph | - | N/A |
| 11:24 AM | 50.0 °F | - | 42.8 °F | 76% | 30.21 in | 10.0 mi | ENE | 8.1 mph | - | N/A |
| 11:58 AM | 51.1 °F | - | 43.0 °F | 74% | 30.22 in | 10.0 mi | NNE | 8.1 mph | - | N/A |
| 12:07 PM | 51.8 °F | - | 42.8 °F | 71% | 30.19 in | 10.0 mi | East | 8.1 mph | - | N/A |
| 12:58 PM | 52.5 °F | - | 42.3 °F | 68% | 30.19 in | 10.0 mi | ENE | 6.9 mph | - | N/A |
| 1:58 PM | 53.1 °F | - | 41.2 °F | 64% | 30.17 in | 10.0 mi | Variable | 3.5 mph | - | N/A |

| Time (EDT) | Temp. | Windchill | Dew Point | Humidity | Pressure | Visibility | Wind Dir | Wind Speed | Gust Speed | Precip |
|------------|---------|-----------|-----------|----------|----------|------------|----------|------------|------------|---------|
| 2:11 PM | 53.6 °F | - | 41.0 °F | 62% | 30.15 in | 10.0 mi | Variable | 3.5 mph | - | N/A |
| 2:58 PM | 49.3 °F | - | 48.7 °F | 98% | 30.16 in | 8.0 mi | East | 2.3 mph | - | 0.04 in |
| 3:58 PM | 46.9 °F | - | 46.8 °F | 99% | 30.14 in | 9.0 mi | ENE | 9.2 mph | - | 0.06 in |
| 4:12 PM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.12 in | 10.0 mi | East | 6.9 mph | - | N/A |
| 4:24 PM | 46.4 °F | 42.9 °F | 46.4 °F | 100% | 30.11 in | 10.0 mi | Variable | 6.9 mph | - | N/A |
| 4:49 PM | 46.4 °F | 44.3 °F | 44.6 °F | 93% | 30.10 in | 10.0 mi | East | 4.6 mph | - | N/A |
| 4:58 PM | 45.3 °F | 43.0 °F | 45.1 °F | 99% | 30.12 in | 10.0 mi | Variable | 4.6 mph | - | 0.03 in |
| 5:15 PM | 44.6 °F | 40.2 °F | 44.6 °F | 100% | 30.09 in | 10.0 mi | ENE | 8.1 mph | - | N/A |
| 5:18 PM | 44.6 °F | 38.8 °F | 44.6 °F | 100% | 30.09 in | 10.0 mi | NE | 11.5 mph | - | N/A |
| 5:19 PM | 44.6 °F | 38.8 °F | 44.6 °F | 100% | 30.09 in | 10.0 mi | NE | 11.5 mph | - | N/A |
| 5:58 PM | 43.3 °F | 39.2 °F | 43.2 °F | 99% | 30.11 in | 10.0 mi | NE | 6.9 mph | - | 0.04 in |
| 6:07 PM | 42.8 °F | 37.0 °F | 42.8 °F | 100% | 30.08 in | 7.0 mi | ENE | 10.4 mph | - | N/A |
| 6:23 PM | 42.8 °F | 39.3 °F | 41.0 °F | 93% | 30.08 in | 8.0 mi | ENE | 5.8 mph | - | N/A |
| 6:24 PM | 42.8 °F | 39.3 °F | 41.0 °F | 93% | 30.08 in | 8.0 mi | ENE | 5.8 mph | - | N/A |
| 6:26 PM | 42.8 °F | 38.6 °F | 41.0 °F | 93% | 30.08 in | 7.0 mi | NE | 6.9 mph | - | N/A |
| 6:33 PM | 41.0 °F | 35.8 °F | 41.0 °F | 100% | 30.08 in | 6.0 mi | NE | 8.1 mph | - | N/A |
| 6:38 PM | 41.0 °F | 35.8 °F | 41.0 °F | 100% | 30.07 in | 9.0 mi | NE | 8.1 mph | - | N/A |
| 6:57 PM | 41.0 °F | 36.4 °F | 41.0 °F | 100% | 30.07 in | 10.0 mi | NE | 6.9 mph | - | N/A |
| 6:58 PM | 41.0 °F | 36.4 °F | 41.0 °F | 100% | 30.09 in | 10.0 mi | NNE | 6.9 mph | - | 0.09 in |
| 7:06 PM | 41.0 °F | 35.8 °F | 41.0 °F | 100% | 30.06 in | 10.0 mi | NE | 8.1 mph | - | N/A |
| 7:25 PM | 41.0 °F | 35.2 °F | 41.0 °F | 100% | 30.05 in | 10.0 mi | NNE | 9.2 mph | - | N/A |
| 7:31 PM | 41.0 °F | 35.2 °F | 41.0 °F | 100% | 30.05 in | 10.0 mi | NNE | 9.2 mph | - | N/A |
| 7:40 PM | 41.0 °F | 35.8 °F | 41.0 °F | 100% | 30.05 in | 9.0 mi | NNE | 8.1 mph | - | N/A |
| 7:46 PM | 41.0 °F | 35.8 °F | 41.0 °F | 100% | 30.05 in | 10.0 mi | NNE | 8.1 mph | - | N/A |
| 7:55 PM | 41.0 °F | 35.8 °F | 41.0 °F | 100% | 30.04 in | 10.0 mi | NE | 8.1 mph | - | N/A |
| 7:58 PM | 40.8 °F | 35.0 °F | 40.6 °F | 99% | 30.06 in | 10.0 mi | NE | 9.2 mph | - | 0.06 in |
| 8:11 PM | 41.0 °F | 36.4 °F | 41.0 °F | 100% | 30.04 in | 7.0 mi | NNE | 6.9 mph | - | N/A |
| 8:58 PM | 40.3 °F | 33.9 °F | 40.1 °F | 99% | 30.04 in | 4.0 mi | NNE | 10.4 mph | - | 0.16 in |
| 9:10 PM | 41.0 °F | 34.3 °F | 39.2 °F | 93% | 30.01 in | 5.0 mi | NNE | 11.5 mph | - | N/A |
| 9:24 PM | 41.0 °F | 37.1 °F | 39.2 °F | 93% | 30.01 in | 6.0 mi | NNE | 5.8 mph | - | N/A |
| 9:28 PM | 41.0 °F | 35.2 °F | 39.2 °F | 93% | 30.01 in | 5.0 mi | NNE | 9.2 mph | - | N/A |
| 9:31 PM | 41.0 °F | 37.1 °F | 39.2 °F | 93% | 30.01 in | 5.0 mi | NNE | 5.8 mph | - | N/A |
| 9:34 PM | 41.0 °F | 37.1 °F | 39.2 °F | 93% | 30.02 in | 5.0 mi | NE | 5.8 mph | - | N/A |

| Time (EDT) | Temp. | Windchill | Dew Point | Humidity | Pressure | Visibility | Wind Dir | Wind Speed | Gust Speed | Precip |
|------------|---------|-----------|-----------|----------|----------|------------|----------|------------|------------|---------|
| 9:58 PM | 39.9 °F | 36.7 °F | 39.7 °F | 99% | 30.04 in | 7.0 mi | North | 4.6 mph | - | 0.23 in |
| 10:19 PM | 41.0 °F | 34.3 °F | 39.2 °F | 93% | 29.98 in | 7.0 mi | North | 11.5 mph | - | N/A |
| 10:20 PM | 39.2 °F | 31.6 °F | 39.2 °F | 100% | 29.98 in | 7.0 mi | NNE | 12.7 mph | - | N/A |
| 10:29 PM | 39.2 °F | 32.5 °F | 39.2 °F | 100% | 29.97 in | 7.0 mi | NNE | 10.4 mph | - | N/A |
| 10:49 PM | 39.2 °F | 32.5 °F | 39.2 °F | 100% | 29.96 in | 7.0 mi | North | 10.4 mph | - | N/A |
| 10:58 PM | 39.9 °F | 32.1 °F | 39.7 °F | 99% | 29.97 in | 5.0 mi | NNE | 13.8 mph | - | 0.14 in |
| 11:57 PM | 39.2 °F | 32.0 °F | 39.2 °F | 100% | 29.91 in | 4.0 mi | NNE | 11.5 mph | - | N/A |
| 11:58 PM | 39.2 °F | 32.0 °F | 39.2 °F | 100% | 29.94 in | 4.0 mi | NNE | 11.5 mph | - | 0.24 in |

Report Date:
11-Apr-14 15:11

- ☒ Final Report
- ☐ Re-Issued Report
- ☐ Revised Report



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Environmental Compliance Services
588 Silver Street
Agawam, MA 01001
Attn: Todd Donze

Project: Kane Scrap Iron + Metal Inc - Chicopee, MA
Project #: 01-215977.13.00

| Laboratory ID | Client Sample ID | Matrix | Date Sampled | Date Received |
|---------------|------------------|-------------|-----------------|-----------------|
| SB86807-01 | DA-001 | Storm Water | 29-Mar-14 14:45 | 31-Mar-14 15:05 |
| SB86807-02 | DA-002 | Storm Water | 29-Mar-14 14:45 | 31-Mar-14 15:05 |

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

The samples were received 2.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 200.7

Samples:

SB86807-01 DA-001

IMRL raised to correlate to batch QC reporting limits.

Iron

SB86807-02 DA-002

IMRL raised to correlate to batch QC reporting limits.

Iron

HACH8000

Spikes:

1407876-MS2 Source: SB86807-02

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Chemical Oxygen Demand

1407876-MSD2 Source: SB86807-02

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Chemical Oxygen Demand

Samples:

SB86807-01 DA-001

The Reporting Limit has been raised to account for matrix interference.

Chemical Oxygen Demand

Sample Acceptance Check Form

Client:

Environmental Compliance Services - Agawam, MA

Project:

Kane Scrap Iron + Metal Inc - Chicopee, MA / 01-215977.13.00

Work Order:

SB86807

Sample(s) received on:

3/31/2014

Received by:

Vickie Knowles

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

| | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Were custody seals present? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Were custody seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Were samples received at a temperature of ≤ 6°C? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Were samples cooled on ice upon transfer to laboratory representative? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. Were samples refrigerated upon transfer to laboratory representative? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Were sample containers received intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Were samples accompanied by a Chain of Custody document? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Did sample container labels agree with Chain of Custody document? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Were samples received within method-specific holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Identification

| | | | | |
|------------|------------------|-------------|----------------------|-----------|
| DA-001 | Client Project # | Matrix | Collection Date/Time | Received |
| SB86807-01 | 01-215977.13.00 | Storm Water | 29-Mar-14 14:45 | 31-Mar-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|------------|--------|---------|------------|--------|--------|----------|----------------------|-----------|-----------|---------|---------|-------|
| Total Metals by EPA 200/6000 Series Methods | | | | | | | | | | | | | |
| Preservation | | Field | | N/A | | | 1 | EPA 200/6000 methods | | | BJW | 1406996 | |
| Preserved | | | | | | | | | | | | | |
| Total Metals by EPA 200 Series Methods | | | | | | | | | | | | | |
| 7429-90-5 | Aluminum | 1.89 | | mg/l | 0.0500 | 0.0385 | 1 | EPA 200.7 | 07-Apr-14 | 09-Apr-14 | arf | 1407353 | X |
| 7440-50-8 | Copper | 0.260 | | mg/l | 0.0100 | 0.0032 | 1 | * | * | * | " | * | X |
| 7439-89-6 | Iron | 4.16 | RO6 | mg/l | 0.0800 | 0.0230 | 1 | * | * | * | " | * | X |
| 7440-66-6 | Zinc | 0.634 | | mg/l | 0.0100 | 0.0052 | 1 | * | * | * | " | * | X |
| General Chemistry Parameters | | | | | | | | | | | | | |
| Hardness | | 156 | | mg/l CaCO3 | 0.582 | 0.148 | 1 | SM 2340B | 07-Apr-14 | 09-Apr-14 | arf | 1407353 | X |
| Chemical Oxygen Demand | | 110 | RO1.LIV | mg/l | 50.0 | 26.7 | 1 | HACH8000 | 11-Apr-14 | 11-Apr-14 | TD/CA | 1407876 | X |

Sample Identification

| | | | | |
|------------|------------------|-------------|----------------------|-----------|
| DA-002 | Client Project # | Matrix | Collection Date/Time | Received |
| SB86807-02 | 01-215977.13.00 | Storm Water | 29-Mar-14 14:45 | 31-Mar-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|------------|--------|------|------------|--------|--------|----------|----------------------|-----------|-----------|---------|---------|-------|
| Total Metals by EPA 200/6000 Series Methods | | | | | | | | | | | | | |
| Preservation | | Field | | N/A | | | 1 | EPA 200/6000 methods | | | BJW | 1406996 | |
| Preserved | | | | | | | | | | | | | |
| Total Metals by EPA 200 Series Methods | | | | | | | | | | | | | |
| 7429-90-5 | Aluminum | 1.18 | | mg/l | 0.0500 | 0.0385 | 1 | EPA 200.7 | 07-Apr-14 | 09-Apr-14 | arf | 1407353 | X |
| 7440-50-8 | Copper | 0.0872 | | mg/l | 0.0100 | 0.0032 | 1 | * | * | * | " | * | X |
| 7439-89-6 | Iron | 2.63 | RO6 | mg/l | 0.0800 | 0.0230 | 1 | * | * | * | " | * | X |
| 7440-66-6 | Zinc | 0.227 | | mg/l | 0.0100 | 0.0052 | 1 | * | * | * | " | * | X |
| General Chemistry Parameters | | | | | | | | | | | | | |
| Hardness | | 21.0 | | mg/l CaCO3 | 0.582 | 0.148 | 1 | SM 2340B | 07-Apr-14 | 09-Apr-14 | arf | 1407353 | X |
| Chemical Oxygen Demand | | 40.6 | | mg/l | 50.0 | 26.7 | 1 | HACH8000 | 11-Apr-14 | 11-Apr-14 | TD/CA | 1407876 | X |

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Total Metals by EPA 200 Series Methods - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--------------------------------|----------|------|-------|--------|---|---------------|------|-------------|-----|-----------|
| Batch 1407353 - EPA 200 Series | | | | | | | | | | |
| Blank (1407353-BLK1) | | | | | Prepared: 07-Apr-14 Analyzed: 09-Apr-14 | | | | | |
| Zinc | < 0.0100 | | mg/l | 0.0100 | | | | | | |
| Iron | < 0.0800 | | mg/l | 0.0800 | | | | | | |
| Copper | < 0.0100 | | mg/l | 0.0100 | | | | | | |
| Aluminum | < 0.0500 | | mg/l | 0.0500 | | | | | | |
| LCS (1407353-B51) | | | | | Prepared: 07-Apr-14 Analyzed: 09-Apr-14 | | | | | |
| Zinc | 2.70 | | mg/l | 0.0100 | 2.50 | | 108 | 85-115 | | |
| Iron | 2.70 | | mg/l | 0.0800 | 2.50 | | 108 | 85-115 | | |
| Copper | 2.67 | | mg/l | 0.0100 | 2.50 | | 107 | 85-115 | | |
| Aluminum | 2.80 | | mg/l | 0.0500 | 2.50 | | 112 | 85-115 | | |

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* Reportable Detection Limit

General Chemistry Parameters - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|-------------------------------------|---------|------|------------|-------|-------------|--------------------------------|---------------------|-------------|-----|-----------|
| Batch 1407353 - EPA 200 Series | | | | | | | | | | |
| Blank (1407353-BLK1) | | | | | | Prepared: 07-Apr-14 | Analyzed: 09-Apr-14 | | | |
| Hardness | < 0.582 | | mg/l CaCO3 | 0.582 | | | | | | |
| LCS (1407353-BS1) | | | | | | Prepared: 07-Apr-14 | Analyzed: 09-Apr-14 | | | |
| Hardness | 44.2 | | mg/l CaCO3 | 0.582 | 41.6 | | 106 | 85-115 | | |
| Batch 1407876 - General Preparation | | | | | | | | | | |
| Blank (1407876-BLK1) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | < 5.00 | | mg/l | 5.00 | | | | | | |
| LCS (1407876-BS1) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 51.1 | | mg/l | 5.00 | 50.0 | | 102 | 90-110 | | |
| Calibration Blank (1407876-CCB1) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 0.886 | | mg/l | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Calibration Blank (1407876-CCB2) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 0.577 | | mg/l | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Calibration Blank (1407876-CCB3) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 0.439 | | mg/l | | | | | | | |
| Calibration Check (1407876-CCY1) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 53.5 | | mg/l | 5.00 | 50.0 | | 107 | 90-110 | | |
| Calibration Check (1407876-CCY2) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 50.1 | | mg/l | 5.00 | 50.0 | | 100 | 90-110 | | |
| Calibration Check (1407876-CCY3) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 52.0 | | mg/l | 5.00 | 50.0 | | 104 | 90-110 | | |
| Duplicate (1407876-DUP2) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 34.8 | | mg/l | 5.00 | | 40.6 | | | 15 | 20 |
| Matrix Spike (1407876-MS2) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 61.4 | QM7 | mg/l | 5.00 | 50.0 | 40.6 | 41 | 80-120 | | |
| Matrix Spike Dup (1407876-MSD2) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 57.0 | QM7 | mg/l | 5.00 | 50.0 | 40.6 | 33 | 80-120 | 7 | 20 |
| Reference (1407876-SRM1) | | | | | | Prepared & Analyzed: 11-Apr-14 | | | | |
| Chemical Oxygen Demand | 52.5 | | mg/l | 5.00 | 51.8 | | 101 | 79-117 | | |

Notes and Definitions

| | |
|-----|--|
| QM7 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| R01 | The Reporting Limit has been raised to account for matrix interference. |
| R06 | IMRL raised to correlate to batch QC reporting limits. |
| dry | Sample results reported on a dry weight basis |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| LIV | The initial volume for this sample has been reduced due to sample matrix and/or historical data therefore elevating the reporting limit. |

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Nicole Leja

ST. LOUIS, MO.



WHERE BUSINESS AND THE ENVIRONMENT CONVERGE

588 Silver Street, Agawam, MA 01001 tel 413.789.3530 fax 413.789.2776 www.wecsconsult.com

Environmental Protection Agency
Office of Water, Water Permits Division
Code 4203M, ATTN: MSGP Reports
Pennsylvania Avenue, NW
Washington, D.C. 20460

April 14, 2014
Project No. 01-215977.13.00
Document No.

RE: NPDES Multi-Sector General Permit
Quarterly Benchmark Monitoring Results
Quarterly Visual Examination Form
Quarter: January 1, 2014 – March 31, 2014
MSGP Tracking Number: MAR05DY90

Dear Sir/Madam:

On behalf of Kane Scrap Iron and Metal, Inc. (Kane) and in accordance with the requirements of the 2008 Multi-Sector General Permit regarding Storm Water Discharge Associated with Industrial Activity (MSGP) under the National Pollutant Discharge Elimination System (NPDES), Environmental Compliance Services, Inc. (ECS) is providing the attached Quarterly Visual Examination Form(s) and Quarterly Benchmark Monitoring Results for samples collected at the facility located at 184 East Meadow Street in Chicopee, Massachusetts, during the January 1, 2014 – March 31, 2014 monitoring period.

If you have any questions and/or concerns regarding any of this information, please do not hesitate to contact ECS at (413) 789-3530.

Sincerely,
ENVIRONMENTAL COMPLIANCE SERVICES, INC.

Todd Donze
Environmental Scientist